

Wastewater

Sunnyvale provides wastewater management services as a municipal utility. Costs for collection, treatment, and discharge of wastewater are included in the 43 projects presented in this section.

Major Wastewater Projects

The Wastewater Utility has a large number of varied assets, including water mains, water valves, reservoirs, sewer collection systems, storm drains, and the Water Pollution Control Plant (WPCP.) A Strategic Infrastructure Plan (SIP) for the WPCP will be undertaken in FY 2007/2008. To provide funding for the types of recommendations anticipated from the SIP, a project to provide up to full replacement of the WPCP is included here.

Capital Projects. There are 11 capital projects that relate to wastewater management. Several deal with storm drainage and sewer improvements, while others deal with improvements at the Power Generation

Facility, pond levee improvements, and safety and efficiency improvements to solids handling.

Infrastructure Projects. This section includes 26 infrastructure projects. In general, these particular projects are for the critical and immediate needs of the wastewater infrastructure. Projects address storm drains, storm pump stations, manholes, sewer pipes, pond sediment removal, rebuilding sewer lift stations, and an emergency bypass pumping plan study. The WPCP Strategic Infrastructure Plan and the full replacement of the WPCP are included here.

Special Projects. Six special projects are included in this section. They include an energy use audit – hot water loop replacement; assessment, cost of service, and algae digestability studies, as well as a project for implementing the WPCP Total Asset Management System.

Table IX as shown on the next page presents a listing of Wastewater projects, all of which are funded for FY 2007/2008. Project information sheets providing the details for each project appear on the following pages.

Table IX
FY 2007/2008
Wastewater Projects -- Funded

Project #:	Description	Type	Project #:	Description	Type
804653	Storm Drain Development Costs (City Share)	Capital	825141	Air Flootation Tanks Rehabilitation	Infrastructure
805203	Sewer Development Costs (City Share)	Capital	825171	Fixed Growth Reactor Rehabilitation	Infrastructure
811701	Oxidation Pond Levee Improvements	Capital	825321	Replacement/Rehabilitation of Sanitary Manholes	Infrastructure
821112	Power Generation Facility Improvements	Capital	825331	Replacement/Rehabilitation of Sewer Pipes	Infrastructure
825101	Solids Handling Safety and Efficiency Improvements - Phase I	Capital	825351	Replacement/Rehabilitation of Storm Drain Manholes	Infrastructure
826970	Gibraltar/N. Borregas Avenue Sewer Replacement	Capital	825361	Replacement/Rehabilitation of Storm Drain Pipes	Infrastructure
826980	Crossman/Java Dr. Sanitary Sewer Replacement	Capital	825371	Video Inspection and Evaluation of Storm Drain System	Infrastructure
826990	Java/N. Borregas Sewer Line Replacement	Capital	825381	Storm Pump Station #1 Expansion	Infrastructure
827000	Mathilda/First Street Sanitary Sewer Replacement	Capital	825521	Pond Sediment Removal	Infrastructure
827010	Water Pollution Control Plant Primary Roof Replacement	Capital	825751	Sewer Lift Stations Rebuild	Infrastructure
827080	Murphy/Evelyn Avenues Sewer Infrastructure Improvements	Capital	826500	Borregas Avenue Sewer Rehabilitation - Wastewater Fund	Infrastructure
801101	WPCP Air Conditioning Project	Infrastructure	827020	Emergency Bypass Pumping Plan Study	Infrastructure
804703	Storm Drain Pipes, Manholes, and Laterals Replacement	Infrastructure	827030	WPCP Strategic Infrastructure Plan	Infrastructure
805253	Sewer Pipes, Manholes, and Laterals Emergency Replacement	Infrastructure	827040	WPCP Asset Condition Assessment	Infrastructure
822752	Storm Pump Station No. 1 Rehabilitation	Infrastructure	827050	Sanitary Sewer Collection Sys. Master Plan	Infrastructure
822762	Storm Pump Station No. 2 Rehabilitation	Infrastructure	827060	Sulfur Dioxide (SO ₂) Equipment Replacement	Infrastructure
822792	Rehabilitation of Manholes - Lawrence Trunk Sewer	Infrastructure	827090	Construction of a New Water Pollution Control Plant	Infrastructure
824301	Rehabilitation of Digesters & Replacement Digester Lids	Infrastructure	822561	Energy Use Audit-Hot Water Loop Replacement	Special
824771	Primary Sedimentation Basin Renovation	Infrastructure	823221	Wastewater Data/Process/Service Assessment Studies	Special
825111	Tertiary Plant Tank Drainage System Modifications - Phase I	Infrastructure	824341	Wastewater Cost of Service Study	Special
			825961	SCVURPPP Contracting and Fiscal Agent	Special
			826450	WPCP Total Asset Management System Imple	Special
			827070	Algae Digestability Study	Special